

Title (en)

METHODS AND COMPOSITIONS USEFUL IN THE DIAGNOSIS AND TREATMENT OF AUTOIMMUNE DISEASES.

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR VERWENDUNG IN DER DIAGNOSE UND BEHANDLUNG AUTOIMMUNER KRANKHEITEN.

Title (fr)

PROCEDES ET COMPOSITIONS UTILES POUR LE DIAGNOSTIC ET LE TRAITEMENT DE MALADIES AUTOIMMUNITAIRES.

Publication

**EP 0205579 A4 19880413 (EN)**

Application

**EP 86900511 A 19851218**

Priority

- US 68790884 A 19841231
- US 8502493 W 19851218

Abstract (en)

[origin: WO8604093A1] A method for producing a protein antigen which is reactive with an autoantibody associated with an autoimmune disease in a host, which comprises introducing genetic information from a cross-reactive donor gene library, into plural cells thereby producing transformed cells; selecting a producer cell which expresses said antigen by detecting a binding reaction between said autoantibody obtained from said host and a protein antigen expressed by a producer cell of said transformed cells which contains a gene coding for said protein antigen, thereby identifying a cloned DNA segment from said donor which can be utilized in the production of said protein, is disclosed along with biochemical reagents and products associated with this invention.

IPC 1-7

**C12P 21/00**; **C12N 15/00**; **C12N 1/00**; **A61K 39/00**

IPC 8 full level

**G01N 33/531** (2006.01); **A61K 38/17** (2006.01); **A61K 39/00** (2006.01); **C07K 14/00** (2006.01); **C07K 14/47** (2006.01); **C12N 15/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/11** (2006.01); **C12P 21/00** (2006.01); **G01N 33/564** (2006.01); **A61K 38/00** (2006.01); **C12R 1/19** (2006.01)

CPC (source: EP US)

**A61K 39/0008** (2013.01 - EP US); **C07K 14/4713** (2013.01 - EP US); **C12N 15/11** (2013.01 - EP US); **G01N 33/564** (2013.01 - EP US); **G01N 2800/24** (2013.01 - EP US); **Y10S 436/811** (2013.01 - EP US)

Citation (search report)

- Proc. Natl. Acad. Sci. USA, Vol. 82, December 1985, pages 7914-7918, US; E.D. WIEBEN et al.: "cDNA cloning of a human autoimmune nuclear ribonucleoprotein antigen", whole document, especially footnote page 7917, column 2.
- Proc. Natl. Acad. Sci. USA, Vol. 80, March 1983, pages 1194-1198, US; R.A. YOUNG et al.: "Efficient isolation of genes by using antibody probes", whole document.
- Proc. Natl. Acad. Sci. USA, Vol. 82, April 1985, pages 2115-2119, US; J.C. CHAMBERS et al.: "Isolation and analysis of cDNA clones expressing human lupus La antigen", whole document.
- The American Journal of Human Genetics, Vol. 37, No. 4, July 1985, Supplement, Abstract 510, US; K.F. SULLIVAN et al.: "Molecular cloning of autoimmune antigens", Abstract.
- CHEMICAL ABSTRACTS, Vol. 102, No. 15, 15th April 1985, page 461, Abstract No. 130046e, Columbus, Ohio, US; A.M. FRANCOEUR et al.: "Characterization and purification of lupus antigen La, an RNA-binding protein", & Mol. Cell. Biol. 1984, 5(3), 586-90, Abstract.
- Chemical & Engineering News, Vol. 50, No. 37, "Causative antigen can also suppress disease", whole article.
- See references of WO 8604093A1

Designated contracting state (EPC)

BE DE FR GB IT LU NL

DOCDB simple family (publication)

**WO 8604093 A1 19860717**; DE 3588082 D1 19960328; DE 3588082 T2 19961002; DE 3588177 D1 19980409; DE 3588177 T2 19981029; EP 0205579 A1 19861230; EP 0205579 A4 19880413; EP 0205579 B1 19960214; EP 0690307 A1 19960103; EP 0690307 B1 19980304; JP 2680811 B2 19971119; JP 2736322 B2 19980402; JP H09166596 A 19970624; JP S62501314 A 19870521; US 4751181 A 19880614; US 5541291 A 19960730; US 5721110 A 19980224

DOCDB simple family (application)

**US 8502493 W 19851218**; DE 3588082 T 19851218; DE 3588177 T 19851218; EP 86900511 A 19851218; EP 95201080 A 19851218; JP 19474096 A 19960724; JP 50024486 A 19851218; US 29911494 A 19940902; US 5487187 A 19870527; US 68790884 A 19841231